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## HDMI-170D

### HDMI Extender User Manual

Thank you for buying our products! And we always adhere to the principle of “Develop the market with quality product and quality service, and co-operate with customers based on mutual trust and mutual benefit, customer’s satisfaction is our success!”

And in order to use the product correctly, please make sure you read this instruction before installation.

#### Product Introduction:

The device includes a sender and a receiver, which can transmit HDMI, RS232 and IR signal transmission over TCP/IP protocol through single network cable to a remote location.

It support HDMI/DVI signal transmission at max 1920 \* 1080 @ 60Hz, max distance per single pair can reach 170m, and extend 100m more after connecting network switch, and multiple cascade operation is available.

The product can be widely used in military command and control system, police command and control system, traffic management system, energy and electricity supply industry, government office, medical system, commercial presentation, multimedia and public utilities etc.

#### Product feature:

- 1, Support 1920×1080@60Hz
- 2, One-to-one direct connection can reach 170m, and can extend 100m more after connecting network switch.
- 3, Single network transmission, pure hardware design, no driver needed, compatible with all operation systems, support plug and play
- 4, Support DVI/HDMI interface
- 5, Support TCP/IP protocol, adding network switch not even can extend transmitting distance, but also can work as a video distributor.
- 6, With IR function for option
- 7, With RS232 function for option

#### Product specification:

Video	I/O connector	HDMI, RS232, IR, RJ-45
	HDMI version	HDMI1.1 1.2 1.3
	HDCP	HDCP1.2
	HDMI resolution	1080p/1080i/720p/720i/576p/576i/480p/480i
	Video color format	24bit/deep color 30bit/deep color 36bit
	Audio format	DTS/HD/Dolby-tureHD/LPCM7.1/DTS/Dolby-AC3/DSD
	TMDS	0.5-1.5Vp-p(TTL)
	DDC	5Vp-p(TTL)
	Input cable length	≤20m AWG26 HDMI 1.3 standard cable
	Output cable length	≤20m AWG26 HDMI 1.3 standard cable

Physical	Size (L× W ×H)	Sender : 93mm*74mm*30mm Receiver: 93mm*74mm*30mm
	Case	Aluminum
	Color	Silver
	N.W.	0.3Kg
Power	Voltage	5V DC
	sender power consumption	4W
	receiver power consumption	3W
Environment	Working temperature	-15℃-55℃
	Storage temperature	-40-80℃
	Humidity	0-95% (non-condensing)

## Packing instruction:

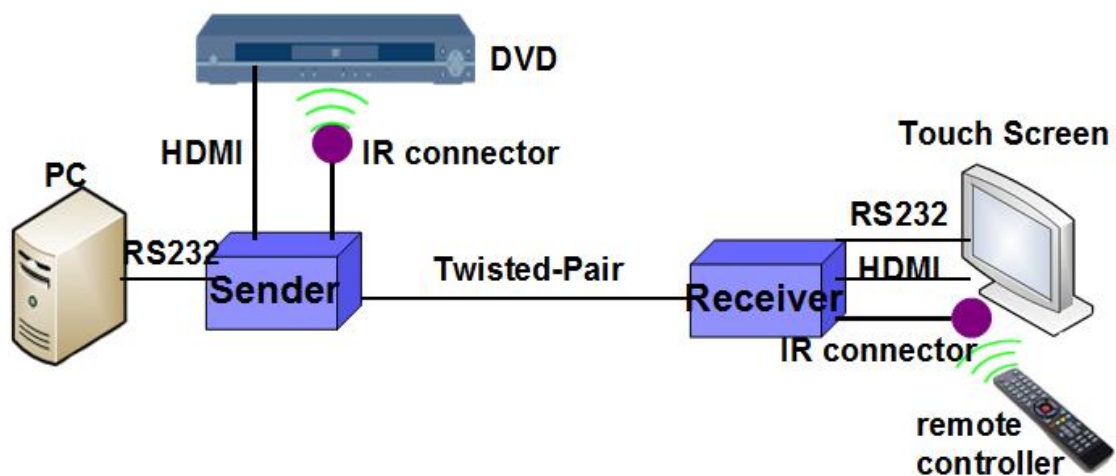
When you open the packaging, you will find

- 2pcs\* HDMI/DVI cable (for DVI type only)
- 1pcs\* HDMI cable (for HDMI type only)
- 2pcs\* DC 5V 3A power adaptor
- User manual
- Sender
- Receiver
- 1pair \*IR connector (for the model with IR function only)
- 1pcs\*RS232 cable (for the model with RS232 function only)

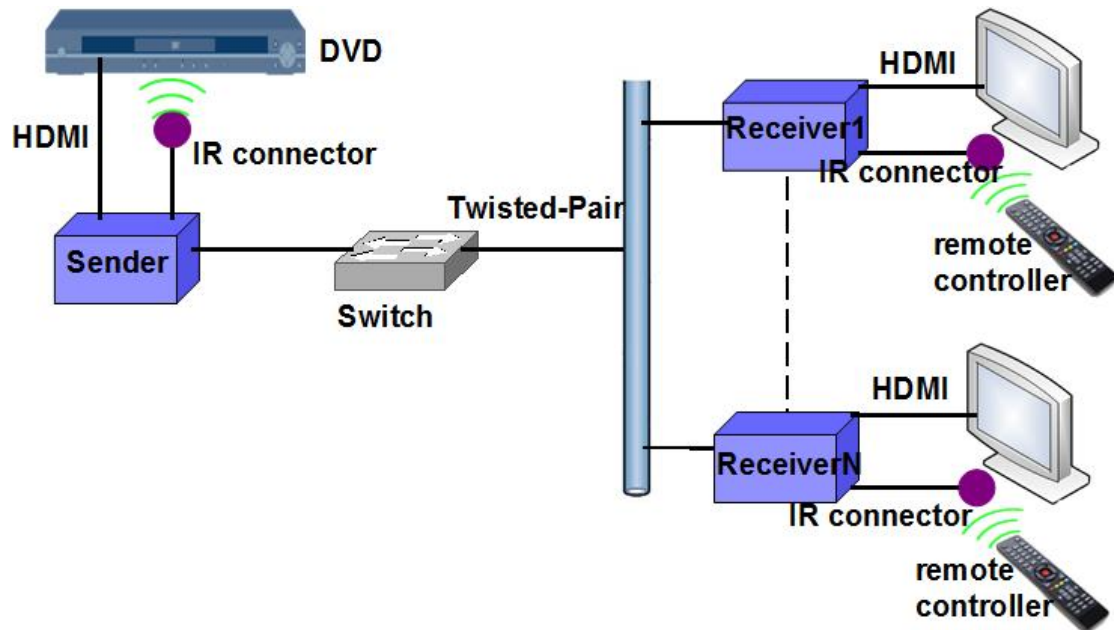
## Installation:

### 1. Application map

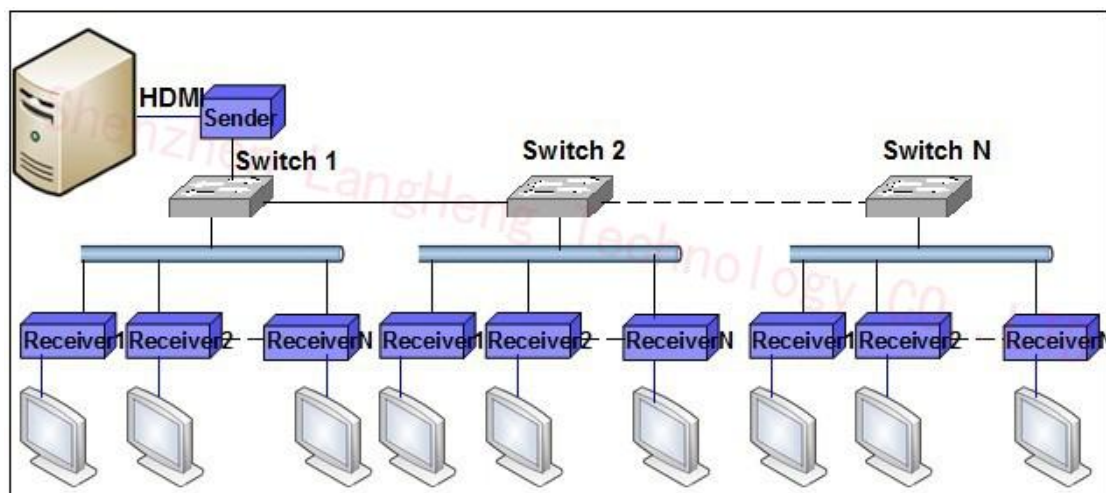
One-to-One direct connection diagram:



### One-to-Many connection diagram1:



### One-to-Many connection diagram2:



## 2. Installation steps

Please make sure all materials are ready and then follow the steps as below:

### A, One-to-One Connection:

1, Connect sender to PC/DVD with video and RS232 cable, and then connect IR connector to sender

2, Connect sender to receiver with network cable

3, connect remote devices to receiver, install the power adaptors

\*\*Note: Max distances can reach 170meters under this connection

### B, One-to-Many connection:

1, Connect sender to DVD with video cable, and then connect IR connector to sender

2, Connect sender to network switch with network cable, and then connect receivers to network switch with network cable

3, Connect remote monitors to receiver, install power adaptor

## LED Indication:

### 1, Sender

**Status:** lighting on and flashing when the data exchange is normal

**Power:** lighting on if there's power supply

### 2, Receiver

**Status:** lighting on and flashing when the data exchange is normal

**Power:** lighting on if there's power supply

## Notes:

1, The package is not include network cable, and user should have to purchase the standard pure copper network cable for installation

2, There's "TEST" button on both sender and receiver, the device will reset and restart.

## Trouble Shooting

S/N	Problem	Solution
1	Power LED is not lighting on	No power supply
2	Status LED is not lighting on or constant lighting on	1, No power supply 2, RJ45 connector loose 3, Network cable is not through
3	No display	1, Video cable is not well connected 2, Network cable is not well connected

## Warranty and after sale service

Thanks again for buying our product, and the product you bought enjoys lifetime warranty.

### 1, Our promises:

I Provide repair and maintenance service free of charge for 1 year starts from your purchasing date if it is defectiveness of product itself.

I Provide lifetime repair service

it is not within this scope if user dismantles the equipment by themselves; If the damage is caused by un-proper use or by man-made reasons which is not quality problem, then it is not within the free repair service

### 2, Notes:

I If you meet quality problem, please contact the reseller for solutions.

I If you can not get contact with reseller, please contact with us directly, we will solve the problem as fast as we can.

I Please fill the warranty card bellow for repair service

## Warranty card

Item Number	
Machine Number	
Purchasing date	
Dealer name and address	
Dealer tel. and fax	
Invoice number	
Buyer name and address	
Buyer tel. and fax	
Buyer E-MAIL	
Description of problem	